

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080624\
 Data File : VU060327.D
 Acq On : 06 Aug 2024 17:24
 Operator : MD/SY
 Sample : P3390-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2024

Quant Time: Aug 07 07:48:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U080524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Aug 06 11:07:28 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2024
 Supervised By :Semsettin Yesilyurt 08/12/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.110	96	30768	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	10037	0.957	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	11699	1.027	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	8744	0.739	ug/l	99
3) Chloromethane	1.518	50	9969	0.737	ug/l	99
4) Vinyl Chloride	1.599	62	10581	0.782	ug/l	97
5) Bromomethane	1.853	94	7402	0.891	ug/l	94
6) Chloroethane	1.927	64	6728	0.822	ug/l	94
7) Trichlorofluoromethane	2.133	101	12623	0.773	ug/l	93
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	6767	0.762	ug/l	95
9) 1,1-Dichloroethene	2.573	96	6638	0.722	ug/l	93
10) Iodomethane	2.715	142	9570	0.702	ug/l	94
11) Allyl Chloride	2.920	41	8064	0.639	ug/l	94
12) Acrylonitrile	3.341	53	2591m	1.078	ug/l	
13) Acetone	2.653	43	6144	2.105	ug/l	91
14) Carbon Disulfide	2.788	76	22823	0.732	ug/l	98
15) Methylene Chloride	3.039	84	9414	0.818	ug/l	91
16) trans-1,2-Dichloroethene	3.351	96	7309	0.742	ug/l	88
17) 1,1-Dichloroethane	3.862	63	13397	0.707	ug/l	98
18) 2-Butanone	4.743	43	8307m	2.463	ug/l	
19) Cyclohexane	5.380	56	8859m	0.542	ug/l	
20) Methylcyclohexane	6.759	83	8576	0.662	ug/l	98
21) 2,2-Dichloropropane	4.657	77	9713	0.658	ug/l	97
22) cis-1,2-Dichloroethene	4.663	96	7239	0.686	ug/l	94
23) Diethyl Ether	2.374	59	5339	0.714	ug/l	90
24) tert-Butyl Alcohol	3.239	59	5365m	5.746	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	14053	0.622	ug/l	96
26) Bromochloromethane	4.968	128	3951	0.884	ug/l	86
27) Chloroform	5.081	83	15444	0.833	ug/l	98
28) 1,1,1-Trichloroethane	5.309	97	11768	0.764	ug/l	96
29) 1,1-Dichloropropene	5.525	75	9028	0.732	ug/l	96
30) Carbon Tetrachloride	5.518	117	10301	0.821	ug/l	99
31) Isopropyl Ether	3.991	45	15068	0.544	ug/l	90
32) Ethyl-t-butyl ether	4.496	59	14527	0.543	ug/l	100
33) Tert-Amyl methyl ether	5.936	73	13008	0.684	ug/l	97
34) Propionitrile	4.824	54	2706m	2.807	ug/l	
35) Benzene	5.772	78	29583	0.778	ug/l	98
36) 1,2-Dichloroethane	5.798	62	8070	0.764	ug/l	# 92
37) Trichloroethene	6.541	130	7858	0.835	ug/l	95
38) 1,2-Dichloropropane	6.785	63	7997	0.777	ug/l	98
39) Methacrylonitrile	4.994	41	1144m	0.328	ug/l	
40) Methyl acrylate	4.891	55	2983m	0.488	ug/l	
41) Tetrahydrofuran	5.087	42	1966m	1.035	ug/l	
42) 1-Chlorobutane	5.454	56	10677	0.627	ug/l	93
43) Dibromomethane	6.920	93	4133	0.794	ug/l	98
44) Bromodichloromethane	7.100	83	9991	0.800	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	16430	3.362	ug/l	98
46) t-1,4-Dichloro-2-butene	10.827	75	4309m	1.574	ug/l	
47) Methyl methacrylate	6.965	69	5145	1.218	ug/l	98
48) Ethyl methacrylate	8.335	69	4764	0.664	ug/l	100
49) Toluene	7.968	92	15107	0.716	ug/l	96
50) t-1,3-Dichloropropene	8.209	75	7754	0.752	ug/l	89
51) cis-1,3-Dichloropropene	7.605	75	9577	0.772	ug/l	95
52) 1,1,2-Trichloroethane	8.399	97	5742	0.752	ug/l	93
53) 1,3-Dichloropropane	8.573	76	9193	0.754	ug/l	99
54) 2-Hexanone	8.689	43	11007	2.906	ug/l	89
55) Dibromochloromethane	8.804	129	6754	0.806	ug/l	99
56) 1,2-Dibromoethane	8.920	107	5306	0.775	ug/l	94
58) Tetrachloroethene	8.547	164	7255	0.862	ug/l	97
59) Chlorobenzene	9.444	112	18042	0.790	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.531	131	7322	0.814	ug/l	98
61) Pentachloroethane	11.418	117	5886	0.766	ug/l	98
62) Hexachloroethane	12.470	117	5503	0.741	ug/l	93
63) Ethyl Benzene	9.566	91	23862	1.014	ug/l	100
64) m/p-Xylenes	9.692	106	17373	1.838	ug/l	100
65) o-Xylene	10.097	106	9250	0.973	ug/l	97
66) Styrene	10.116	104	14370	0.949	ug/l	99
67) Bromoform	10.287	173	3925	0.800	ug/l	94
69) Isopropylbenzene	10.479	105	22827	0.980	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	7829	0.770	ug/l	98
71) 1,2,3-Trichloropropane	10.817	75	5787m	0.769	ug/l	
72) Bromobenzene	10.782	156	6975	0.744	ug/l	98
73) n-propylbenzene	10.901	120	6260	0.970	ug/l	97
74) 2-Chlorotoluene	10.981	126	6491	0.891	ug/l	93
75) 1,3,5-Trimethylbenzene	11.084	105	18791	0.924	ug/l	97
76) 4-Chlorotoluene	11.097	126	5827	0.828	ug/l	97
77) tert-Butylbenzene	11.415	119	19852	0.968	ug/l	97
78) 1,2,4-Trimethylbenzene	11.467	105	18188	0.928	ug/l	97
79) sec-Butylbenzene	11.640	105	25367	0.939	ug/l	100
80) Nitrobenzene	13.232	77	1405m	3.147	ug/l	
81) p-Isopropyltoluene	11.791	119	19218	0.960	ug/l	99
82) 1,3-Dichlorobenzene	11.746	146	15488	0.792	ug/l	98
83) 1,4-Dichlorobenzene	11.836	146	14884	0.767	ug/l	96
84) n-Butylbenzene	12.206	91	19472	0.973	ug/l	98
85) 1,2-Dichlorobenzene	12.209	146	13946	0.737	ug/l	95
86) 1,2-Dibromo-3-Chloropr...	13.000	75	1085	0.736	ug/l	94
87) 1,2,4-Trichlorobenzene	13.839	180	8129	0.751	ug/l	98
88) Hexachlorobutadiene	14.016	225	5211	0.745	ug/l	92
89) Naphthalene	14.090	128	12338	0.644	ug/l	99
90) 1,2,3-Trichlorobenzene	14.328	180	8382	0.793	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

